Arctic Region Supercomputer Purchase	**FY2002 Request:**	**$30,000,000**
	Reference No:	**34517**

AP/AL: Appropriation   **Project Type:** Information Systems
Category: University
Location: Fairbanks Areawide   **Contact:** Pat Pitney
Election District: Fairbanks Areawide   **Contact Phone:** (907)474-5889
Estimated Project Dates: 07/01/2001 - 06/30/2006

Brief Summary and Statement of Need:
Arctic Region Supercompurter Purchase (UAF) is a high priority item necessary to meet the FY02 BOR goal of Preparing for Alaska's Economic Success.

Funding:

	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	Total
Fed Rcpts	$30,000,000						$30,000,000
Total:	$30,000,000	$0	$0	$0	$0	$0	$30,000,000

☐ State Match Required ☒ One-Time Project ☐ Phased Project ☐ On-Going Project
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

Prior Funding History / Additional Information:

State of Alaska Capital Project Summary   University of Alaska
FY2002 Governor's Amended   Reference No: 34517
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Preparing for Economic Success - Building for Economic Development

Arctic Region Supercomputer Purchase-UAF

$30,000.0　NonGF
$30,000.0　　TPC

By obtaining $30 million in federal receipt authority, UA will continue to be a world leader in supercomputing through the procurement of high performance computing hardware. As computing power increases, supercomputers ability extends such that previously unattainable mathematical simulations can be conducted. The Arctic Region Supercomputing Center intends to continue to be a leader in cutting edge research for investigators from around the world. This federal receipt authority will allow ARSC to continue to meet the demands of these investigators.

High performance computing hardware procurements of $30,000,000 are expected in FY02. Funding will be used to replace aging High Performance Computing resources that will have served, federal, and Department of Defense (DOD) researchers for almost five years at the time of replacement. Specifics regarding the selection of replacement hardware are not available at this time. ARSC is defining requirements with the assistance of internal and external advisors, collaborating with the DOD's High-Performance Computing Modernization Office, and studying HPC-hardware vendors to select replacement hardware.